

06/04/2007 10/657867 Lewis

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(FILE 'HOME' ENTERED AT 10:56:48 ON 04 JUN 2007)

FILE 'CAPLUS' ENTERED AT 10:57:10 ON 04 JUN 2007

L1 1 SEA ABB=ON PLU=ON US20040126979/PN
SEL RN
L2 475114 SEA ABB=ON PLU=ON (11104-62-4/BI OR 11148-21-3/BI OR
12738-91-9/BI OR 7440-21-3/BI)
L3 1 SEA ABB=ON PLU=ON L1 AND L2
D IBIB ABS HITSTR HITIND
L4 48481 SEA ABB=ON PLU=ON SIGE OR GERMANIUM SILICIDE OR (GE OR
GERMANIUM) (2A) (SILICIDE OR SI OR SILICON)
L5 16428 SEA ABB=ON PLU=ON (BIPOLAR OR HETEROBIPOLAR OR HETERO(W) (JUNC
TION OR BIPOLAR)) (2A) TRANSIS?
L6 11192 SEA ABB=ON PLU=ON EMIT?(4A) (AREA OR REGION OR SECTION)
L7 14827 SEA ABB=ON PLU=ON COLLECT?(4A) (AREA OR REGION OR SECTION)

FILE 'REGISTRY' ENTERED AT 11:11:50 ON 04 JUN 2007

L8 768 SEA ABB=ON PLU=ON GE.SI/MF
L9 47 SEA ABB=ON PLU=ON GE SI/ELF

FILE 'CAPLUS' ENTERED AT 11:12:10 ON 04 JUN 2007

L10 51246 SEA ABB=ON PLU=ON L4 OR L8 OR L9
L11 66482 SEA ABB=ON PLU=ON (1ST OR FIRST OR SECOND OR 2ND OR DUAL OR
DUPLICAT? OR MULTI? OR DOUBLE OR TWO) (4A) (CONDUCT?)
L12 873 SEA ABB=ON PLU=ON L5 AND L6 AND L7
L13 95 SEA ABB=ON PLU=ON L12 AND L10
L14 25 SEA ABB=ON PLU=ON L13 AND L11
L15 24 SEA ABB=ON PLU=ON L14 NOT L1
D IBIB ABS HITSTR HITIND 1-24

FILE 'WPIX' ENTERED AT 11:40:06 ON 04 JUN 2007

L16 15699 SEA ABB=ON PLU=ON SIGE OR GERMANIUM SILICIDE OR (GE OR
GERMANIUM) (2A) (SILICIDE OR SI OR SILICON)
L17 20981 SEA ABB=ON PLU=ON (BIPOLAR OR HETEROBIPOLAR OR HETERO(W) (JUNC
TION OR BIPOLAR)) (2A) TRANSIS?
L18 17504 SEA ABB=ON PLU=ON EMIT?(4A) (AREA OR REGION OR SECTION)
L19 16086 SEA ABB=ON PLU=ON COLLECT?(4A) (AREA OR REGION OR SECTION)
L20 96155 SEA ABB=ON PLU=ON (1ST OR FIRST OR SECOND OR 2ND OR DUAL OR
DUPLICAT? OR MULTI? OR DOUBLE OR TWO) (4A) (CONDUCT?)
L21 40 SEA ABB=ON PLU=ON L16 AND L17 AND L18 AND L19 AND L20

FILE 'CAPLUS, WPIX' ENTERED AT 11:43:35 ON 04 JUN 2007

L22 56 DUP REM L14 L21 (9 DUPLICATES REMOVED)
D TI 1-56
D L21 IALL 1-40

FILE 'INSPEC, COMPENDEX' ENTERED AT 11:51:17 ON 04 JUN 2007

L23 18909 SEA ABB=ON PLU=ON (SIGE)/ET
L24 47084 SEA ABB=ON PLU=ON L4
L25 46982 SEA ABB=ON PLU=ON L5
L26 10095 SEA ABB=ON PLU=ON L6
L27 11533 SEA ABB=ON PLU=ON L7

Mary S. Mims EIC 2800 2-5928

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L28 64861 SEA ABB=ON PLU=ON L11
L29 47179 SEA ABB=ON PLU=ON L23 OR L24
L30 0 SEA ABB=ON PLU=ON L25 AND L26 AND L27 AND L28 AND L29
L31 30 SEA ABB=ON PLU=ON L25 AND L26 AND L27 AND L29

FILE 'INSPEC, COMPENDEX' ENTERED AT 11:58:09 ON 04 JUN 2007
L32 22 DUP REM L31 (8 DUPLICATES REMOVED)
D IALL 1-22

Date 5/29/07 Serial # 10/657,867 Priority Application Filing Date 9/19/02

Your Name M. Mims Examiner # 73172

AU 2899 Phone 292-1838 Room 5A39

In what format would you like your results? Paper is the default. PAPER DISK EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPAT USPGPUB DWPI EPO Abs JPO Abs IBM TDB

Other: Need before 6/4

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs ☒ Nonpatent Literature ☐ Teaching Refs ☐

Secondary Refs ☐ Foreign Patents ☐ Other ☐

If this is a "Fast & Focused Search" request, put a checkmark here:

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<http://uspto-a-patrr-2/siraapps/stic/npl/nplsearch.htm>

In your own words, what is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 21-28
Bipolar Transistor

Problem: See pages 1 & 2
Solution: " 2-5

2002/0058378

2004/023526

5,023,199

6,100,152

5,183,768

5,798,277

Staff Use Only

Searcher: M. Mims

Searcher Phone: 25928

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 6/1/07
1. 11.1.7

Type of Search

Structure (#) ☒

Bibliographic ☒

Litigation ☐

Fulltext ☐

Vendors

STN ☒

Dialog ☐

Questel/Orbit ☐

Lexis-Nexis ☐